

\*\*\*\*\*  
\*\*\*\*\*  
CALPOST Version 6.221      Level 080724  
\*\*\*\*\*  
\*\*\*\*\*

Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:  
Cleco, Brame Energy Center, Nesbitt  
CANNEY CREEK WILDERNESS AREA CALPOST 2003  
VISIBILITY METHOD 8

-----  
INPUT GROUP: 1 -- General run control parameters  
-----

Option to run all periods found  
in the met. file(s) (METRUN)      Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below  
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default ! ISYR = 2003 !  
                  Month (ISMO) -- No default ! ISMO = 1 !  
                  Day (ISDY) -- No default ! ISDY = 1 !  
Starting time: Hour (ISHR) -- No default ! ISHR = 0 !  
                  Minute (ISMIN) -- No default ! ISMIN = 0 !  
                  Second (ISSEC) -- No default ! ISSEC = 0 !

Ending date: Year (IEYR) -- No default ! IEYR = 2003 !  
                  Month (IEMO) -- No default ! IEMO = 12 !  
                  Day (IEDY) -- No default ! IEDY = 31 !  
Ending time: Hour (IEHR) -- No default ! IEHR = 0 !  
                  Minute (IEMIN) -- No default ! IEMIN = 0 !  
                  Second (IESEC) -- No default ! IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.  
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions  
do not, and the zone must be specified here. The zone is the  
number of hours that must be ADDED to the time to obtain UTC (or GMT).  
Identify the Base Time Zone for the CALPUFF simulation  
                  (BTZONE) -- No default ! BTZONE = 6.0 !

Process every period of data?  
                  (NREP) -- Default: 1 ! NREP = 1 !  
(1 = every period processed,  
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

## Species & Concentration/Deposition Information

---

Species to process (ASPEC) -- No default ! ASPEC = VISIB !  
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !  
'1' for CALPUFF concentrations,  
'-1' for dry deposition fluxes,  
'-2' for wet deposition fluxes,  
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !  
 $X(\text{new}) = X(\text{old}) * A + B$     A = 0.0 ! B = 0.0 !  
(NOT applied if A = B = 0.0)    B = 0.0

Add Hourly Background Concentrations/Fluxes?  
(LBACK) -- Default: F ! LBACK = F !

Source of NO<sub>2</sub> when ASPEC=NO<sub>2</sub> (above) or LVNO<sub>2</sub>=T (Group 2) may be from CALPUFF NO<sub>2</sub> concentrations OR from a fraction of CALPUFF NO<sub>x</sub> concentrations. Specify the fraction of NO<sub>x</sub> that is treated as NO<sub>2</sub> either as a constant or as a table of fractions that depend on the magnitude of the NO<sub>x</sub> concentration:

(NO<sub>2</sub>CALC) -- Default: 1 ! NO<sub>2</sub>CALC = 1 !  
0 = Use NO<sub>2</sub> directly (NO<sub>2</sub> must be in file)  
1 = Specify a single NO<sub>2</sub>/NO<sub>x</sub> ratio (RNO<sub>2</sub>NO<sub>x</sub>)  
2 = Specify a table NO<sub>2</sub>/NO<sub>x</sub> ratios (TNO<sub>2</sub>NO<sub>x</sub>)  
(NOTE: Scaling Factors must NOT be used with NO<sub>2</sub>CALC=2)

Single NO<sub>2</sub>/NO<sub>x</sub> ratio (0.0 to 1.0) for treating some or all NO<sub>x</sub> as NO<sub>2</sub>, where [NO<sub>2</sub>] = [NO<sub>x</sub>] \* RNO<sub>2</sub>NO<sub>x</sub>  
(used only if NO<sub>2</sub>CALC = 1)  
(RNO<sub>2</sub>NO<sub>x</sub>) -- Default: 1.0 ! RNO<sub>2</sub>NO<sub>x</sub> = 1.0 !

Table of NO<sub>2</sub>/NO<sub>x</sub> ratios that vary with NO<sub>x</sub> concentration. Provide 14 NO<sub>x</sub> concentrations (ug/m<sup>3</sup>) and the corresponding NO<sub>2</sub>/NO<sub>x</sub> ratio, with NO<sub>x</sub> increasing in magnitude. The ratio used for a particular NO<sub>x</sub> concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NO<sub>x</sub> concentration (the first) is used for all NO<sub>x</sub> concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NO<sub>x</sub> concentration (the last) is used for all NO<sub>x</sub> concentrations greater than the largest tabulated value.  
(used only if NO<sub>2</sub>CALC = 2)

NO<sub>x</sub> concentration(ug / m<sup>3</sup>)  
(CNOX) -- No default  
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,  
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO<sub>2</sub>/NO<sub>x</sub> ratio for each NO<sub>x</sub> concentration:  
(TNO<sub>2</sub>NO<sub>x</sub>) -- No default

! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,  
1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !

#### Source information

-----

Option to process source contributions:

- 0 = Process only total reported contributions
- 1 = Sum all individual source contributions and process
- 2 = Run in TRACEBACK mode to identify source  
contributions at a SINGLE receptor  
(MSOURCE) -- Default: 0 ! MSOURCE = 0 !

#### Plume Model Output Processing Options

-----

Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
- 1 = Apply CALM processing procedures to multiple-hour averages  
(MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file  
(MET1FMT) -- Default: 1 ! MET1FMT = 1 !

#### Receptor information

-----

Gridded receptors processed? (LG) -- Default: F ! LG = F !  
Discrete receptors processed? (LD) -- Default: F ! LD = T !  
CTSG Complex terrain receptors processed?  
(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?  
(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;  
OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each

- 0 = discrete receptor not processed
- 1 = discrete receptor processed

using repeated value notation to select blocks of receptors:

23\*1, 15\*0, 12\*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1

! NDRECP = 80\*1, 40\*0!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !  
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !  
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !  
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !  
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process

(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

-----  
Subgroup (1a) -- Specific gridded receptors included/excluded  
-----

Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed

1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:

23\*1, 15\*0, 12\*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

-----  
INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)  
-----

Test visibility options specified to see  
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8\_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration  
are specific to the Class I area being evaluated. These values can  
be checked within the CALPOST user interface when the name of the  
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = CACR !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and  
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8\_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVSO4) -- Default: T ! LVSO4 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVPMC) -- Default: T ! LVPMC = T !

Include FINE PARTICLES? (LVPMF) -- Default: T ! LVPMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO2 absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T

FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file

COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !

FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m\*\*3)

-----  
MODELED particulate species:

PM COARSE (EEMC) -- Default: 0.6 ! EEMC = 0.6 !

PM FINE (EEMF) -- Default: 1.0 ! EEMF = 1 !

BACKGROUND particulate species:

PM COARSE (EEMCBK) -- Default: 0.6 ! EEMCBK = 0.6 !

Other species:

AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !

AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !

ORGANIC CARBON (EEOC) -- Default: 4.0 ! EEOC = 4 !

SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !

ELEMENTAL CARBON (EEEC) -- Default: 10. ! EEEC = 10 !

NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)

AMMONIUM SULFATE (EESO4L) Set Internally (large)

AMMONIUM NITRATE (EENO3S) Set Internally (small)

AMMONIUM NITRATE (EENO3L) Set Internally (large)

ORGANIC CARBON (EEOCS) Set Internally (small)

ORGANIC CARBON (EEOCL) Set Internally (large)

SEA SALT (EESALT) Set Internally

Background Extinction Computation

-----  
Method used for the 24h-average of percent change of light extinction:

Hourly ratio of source light extinction / background light extinction

is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction

(MVISBK) -- Default: 8 ! MVISBK = 8 !

FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
  - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
  - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
  - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
  - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
  - Receptor-hour excluded if RH>RHMAX
  - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
  - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
  - Hour excluded if measurement invalid (missing, interference, or large RH)
  - Receptor-hour excluded if RH>RHMAX



in place of an hourly RH factor (VISB.DAT file is NOT needed).  
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.3, 3.0, 2.7, 2.8,  
3.2, 3.2, 3.0, 3.0,  
3.2, 3.2, 3.1, 3.3 !

Additional inputs used for MVISBK = 7:

-----  
The weather data file (DATSAV abbreviated space-delimited) that is identified as VSRN.DAT may contain data for more than one station. Identify the stations that are needed in the order in which they will be used to obtain valid weather and visual range. The first station that contains valid data for an hour will be used. Enter up to MXWSTA (set in PARAMS file) integer station IDs of up to 6 digits each as variable IDWSTA, and enter the corresponding time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used in place of the observed weather file. Identify this as the VSRN.DAT file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The DATSAV abbreviated space-delimited data usually are prepared with UTC time rather than local time, so TZONE is typically set to zero.

(IDWSTA) -- No default \* IDWSTA = 000000 \*  
(TZONE) -- No default \* TZONE = 0. \*

Additional inputs used for MVISBK = 2,3,6,7,8:

-----  
Background extinction coefficients are computed from monthly CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3), coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and elemental carbon (BKEC). Month 1 is January.  
(ug/m\*\*3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,  
0.23, 0.23, 0.23, 0.23,  
0.23, 0.23, 0.23, 0.23 !

(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,  
0.10, 0.10, 0.10, 0.10,  
0.10, 0.10, 0.10, 0.10 !

(BKPMC) -- No default ! BKPMC = 3.00, 3.00, 3.00, 3.00,  
3.00, 3.00, 3.00, 3.00,  
3.00, 3.00, 3.00, 3.00 !

(BKOC) -- No default ! BKOC = 1.80, 1.80, 1.80, 1.80,  
1.80, 1.80, 1.80, 1.80,  
1.80, 1.80, 1.80, 1.80 !

(BKSOIL) -- No default ! BKSOIL = 0.50, 0.50, 0.50, 0.50,  
0.50, 0.50, 0.50, 0.50,  
0.50, 0.50, 0.50, 0.50 !

(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,  
0.02, 0.02, 0.02, 0.02,  
0.02, 0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

-----  
Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8\_MODE) -- Default: 5 ! M8\_MODE= 5 !  
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January. (ug/m\*\*3)

(BKSALT) -- No default ! BKSALT= 0.03, 0.03, 0.03, 0.03,  
0.03, 0.03, 0.03, 0.03,  
0.03, 0.03, 0.03, 0.03 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed). Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA). Month 1 is January. (Used if M8\_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes (RHFSML) -- No default ! RHFSML= 3.85, 3.44, 3.14, 3.24,  
3.66, 3.71, 3.49, 3.51,  
3.73, 3.72, 3.68, 3.88 !

Large ammonium sulfate and ammonium nitrate particle sizes (RHFLRG) -- No default ! RHFLRG= 2.77, 2.53, 2.37, 2.43,  
2.68, 2.71, 2.59, 2.60,  
2.71, 2.69, 2.67, 2.79 !

Sea salt particles (RHFSEA) -- No default ! RHFSEA= 3.90, 3.52, 3.31, 3.41,  
3.83, 3.88, 3.69, 3.68,

3.82, 3.76, 3.77, 3.93 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

-----  
Extinction due to Rayleigh scattering is added (1/Mm)  
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!  
-----

INPUT GROUP: 3 -- Output options  
-----

Documentation  
-----

Documentation records contained in the header of the  
CALPUFF output file may be written to the list file.  
Print documentation image?  
(LDOC) -- Default: F ! LDOC = F !

Output Units  
-----

Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !  
for for  
Concentration Deposition  
1 = g/m\*\*3 g/m\*\*2/s  
2 = mg/m\*\*3 mg/m\*\*2/s  
3 = ug/m\*\*3 ug/m\*\*2/s  
4 = ng/m\*\*3 ng/m\*\*2/s  
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported  
-----

1-pd averages (L1PD) -- Default: T ! L1PD = F !  
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds  
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !  
(NAVGM) -- Default: 0 ! NAVGM = 0 !  
(NAVGS) -- Default: 0 ! NAVGS = 0 !

## Types of tabulations reported

-----

- 1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB. In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.  
[List file or Plot/Analysis File]
  
- 2) Top 50 table for each averaging time selected  
[List file only]  
(LT50) -- Default: T ! LT50 = F !
  
- 3) Top 'N' table for each averaging time selected  
[List file or Plot file]  
(LTOPN) -- Default: F ! LTOPN = F !  
  
-- Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)  
(NTOP) -- Default: 4 ! NTOP = 4 !  
  
-- Specific ranks of 'Top-N' values reported (NTOP values must be entered)  
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !  
1,2,3,4
  
- 4) Threshold exceedance counts for each receptor and each averaging time selected  
[List file or Plot file]  
(LEXCD) -- Default: F ! LEXCD = F !  
  
-- Identify the threshold for each averaging time by assigning a non-negative value (output units).  
  
-- Default: -1.0  
Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !  
Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !  
Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !  
Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !  
  
-- Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.  
  
Accumulation period(Days)  
(NDAY) -- Default: 0 ! NDAY = 0 !  
Number of exceedances allowed  
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

## 5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day

[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES\_ASPEC\_ttHR\_CONC\_TSUNAM.DAT files]

(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL\_ASPEC\_ttHR\_CONC\_TSUNAM.DAT files]

(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366\*0

! IECHO = 366\*0 !

(366 values must be entered)

## Plot output options

-----

Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...]. In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid. The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

## Auxiliary Output Files (for subsequent analyses)

-----

Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?  
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

Additional Debug Output

-----  
Output selected information to List file  
for debugging?  
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?  
(Visibility Method 7)  
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

-----  
NOTICE: Starting year in control file sets the  
expected century for the simulation. All  
YY years are converted to YYYY years in  
the range: 1953 2052  
-----

\*\*\*\*\*  
\*\*\*\*\*  
CALPOST Version 6.221      Level 080724  
\*\*\*\*\*  
\*\*\*\*\*

CALPOST Control File Input Summary -----

Replace run data with data in Puff file 1=Y: 1  
Run starting date -- year: 2003  
                  month: 1  
                  day: 1  
                  Julian day: 0  
Time at start of run - hour(0-23): 0  
                  - minute: 0  
                  - second: 0

Run ending date -- year: 2003  
month: 12  
day: 31  
Julian day: 0  
Time at end of run - hour(0-23): 0  
- minute: 0  
- second: 0

Base time zone (Group 1): 6.0

Every period of data processed -- NREP = 1

Species & Concentration/Deposition Information

Species: VISIB  
Layer of processed data: 1  
(>0=conc, -1=dry flux, -2=wet flux, -3=wet & dry flux)  
Multiplicative scaling factor: 0.0000E+00  
Additive scaling factor: 0.0000E+00  
Hourly background values used?: F

SAMPLER option

Processing method: 0  
0= SAMPLER option not used  
1= Report total modeled impact (list file)  
2= TRACEBACK mode (DAT files)  
3= TRACEBACK mode with sampling factor (DAT files)

Source information

Source contribution processing: 0  
0= No source contributions  
1= Contributions are summed  
2= TRACEBACK mode for 1 receptor  
3= Reported TOTAL is processed

Receptor information

Gridded receptors processed?: F  
Discrete receptors processed?: T  
CTSG Complex terrain receptors processed?: F

Discrete Receptors Processed

1  
1 1

Visibility Processing Selected

Visibility Options are Checked for FLAG 2008

Class I Area: CACR

Extinction Computation includes:

SULFATES  
NITRATES  
NO2 GAS

Fraction CALPUFF NOx used as NO2 : 1.000

ORGANIC CARBON  
ELEMENTAL CARBON  
COARSE PARTICLES  
FINE PARTICLES  
BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC

fine: PMF

Extinction Efficiency (1/Mm per ug/m\*\*3)

ammonium sulfate S: 2.2000  
ammonium sulfate L: 4.8000  
ammonium nitrate S: 2.4000  
ammonium nitrate L: 5.1000  
organic carbon S: 2.8000  
organic carbon L: 6.1000  
sea salt: 1.7000  
NO2 gas: 0.1755  
soil: 1.0000  
elemental carbon: 10.0000  
MODELED coarse PM: 0.6000  
MODELED fine PM: 1.0000  
BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5

(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .3850E+01  
2 .3440E+01  
3 .3140E+01  
4 .3240E+01  
5 .3660E+01  
6 .3710E+01  
7 .3490E+01  
8 .3510E+01  
9 .3730E+01  
10 .3720E+01  
11 .3680E+01  
12 .3880E+01

Monthly RH factor for large particles:

1 .2770E+01  
2 .2530E+01  
3 .2370E+01  
4 .2430E+01

5 .2680E+01  
6 .2710E+01  
7 .2590E+01  
8 .2600E+01  
9 .2710E+01  
10 .2690E+01  
11 .2670E+01  
12 .2790E+01

Monthly RH factor for sea salt:

1 .3900E+01  
2 .3520E+01  
3 .3310E+01  
4 .3410E+01  
5 .3830E+01  
6 .3880E+01  
7 .3690E+01  
8 .3680E+01  
9 .3820E+01  
10 .3760E+01  
11 .3770E+01  
12 .3930E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m\*\*3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
2	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
3	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
4	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
5	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
6	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
7	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
8	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
9	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
10	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
11	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
12	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F  
1-hr averages: F  
3-hr averages: F  
24-hr averages: T

User-specified averages: F  
Length of run averages: F

Output components selected

Top-50: F  
Top-N values at each receptor: F  
Exceedance counts at each receptor: F  
Output selected information for debugging: F  
Echo tables for selected days: F  
Time-series for selected days: F  
Peak value Time-series for selected days: F

Plot file option

Plot files created: F

MAPSPEC: Species Mapping

Number of species-levels in file : 9  
Number of species-levels processed: 10

Input ID	Processing ID	Name	
1	1	SO2	1
2	2	SO4	1
3	3	NOX	1
4	4	HNO3	1
5	5	NO3	1
6	6	PMC	1
7	7	PMF	1
8	8	EC	1
9	9	SOA	1

Visibility Species

	Processing ID	Name	
sulfate	2	SO4	1
no2gas	10	NO2	1
noxgas	3	NOX	1
nitrate	5	NO3	1
specpmf	7	PMF	1
specpmc	6	PMC	1
orgcarb	9	SOA	1
lmncarb	8	EC	1

IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8.4 130731

CLECO, Brame, Nesbitt  
ALM-step1  
Repartitioning of NO3/HNO3

Averaging time for values reported from model:  
1 HOUR

Number of averaging periods in file from model:



navg,ntop = 0 4  
navgh,navgm,navgs = 0 0 0  
itop = 1 2 3 4  
L[1,3,24]HR = F F T  
LNAVG, LRUNL = F F  
LT50, LTOPN, LEXCD = F F F  
LECHO, LTIME, LPEAK = F F F  
THRESH1 = -1.00000000  
THRESH3 = -1.00000000  
THRESH24 = -1.00000000  
THRESHN = -1.00000000  
LPLT, LGRD = F F  
MDVIS = 1  
LDEBUG = F  
LCTSG = F

CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

model: CALPUFF 5.8.4 130731  
msyr,mjsday = 2002 365  
mshr,mssec = 23 0  
nsecdt (period) = 3600  
xbtz = 6.00000000  
mnper,nszout,mavgpd = 8740 9 1  
xorigkm,yorigkm,nssta = -951.547058 -1646.63708 0  
ielmet,jelmet = 462 376  
delx,dely,nz = 4.00000000 4.00000000 1  
iastar,iastop,jastar,jastop = 288 451 117 274  
isastr,isastp,jsastr,jsastp = 1 462 1 376  
(computed) ngx,ngy = 462 376  
meshdn,npts,nareas = 1 1 0  
nlines,nvols = 0 0  
ndrec,nctrec,LSGRID = 120 0 F

Discrete Receptors (n,x,y,z):

1 270.325867 -617.518921 365.000000  
2 271.090393 -617.494019 365.000000  
3 271.854797 -617.469116 368.000000  
4 268.767273 -616.646362 411.000000  
5 269.531677 -616.621704 462.000000  
6 270.295959 -616.597046 431.000000  
7 271.060364 -616.572144 518.000000  
8 271.824768 -616.547241 487.000000  
9 272.589050 -616.522339 396.000000  
10 265.680481 -615.822632 518.000000  
11 266.444763 -615.798218 523.000000  
12 267.209045 -615.773682 548.000000  
13 267.973328 -615.749146 579.000000  
14 268.737610 -615.724487 547.000000  
15 269.501892 -615.699829 538.000000  
16 270.266174 -615.675049 640.000000  
17 271.030334 -615.650269 608.000000  
18 260.301697 -615.069458 335.000000  
19 261.065857 -615.045532 431.000000  
20 261.830139 -615.021606 457.000000  
21 262.594299 -614.997559 414.000000  
22 263.358459 -614.973511 426.000000

23 264.122742 -614.949341 426.000000  
24 264.886902 -614.924927 388.000000  
25 265.651062 -614.900635 388.000000  
26 266.415344 -614.876343 365.000000  
27 267.179504 -614.851807 386.000000  
28 267.943665 -614.827271 396.000000  
29 268.707825 -614.802612 426.000000  
30 269.471985 -614.777954 446.000000  
31 270.236267 -614.753174 441.000000  
32 271.000427 -614.728394 457.000000  
33 271.764587 -614.703491 465.000000  
34 272.528748 -614.678589 442.000000  
35 273.293030 -614.653442 426.000000  
36 260.272888 -614.147583 304.000000  
37 261.036926 -614.123657 304.000000  
38 261.801086 -614.099731 319.000000  
39 262.565247 -614.075684 334.000000  
40 263.329407 -614.051636 370.000000  
41 264.093567 -614.027344 405.000000  
42 264.857605 -614.003052 409.000000  
43 265.621765 -613.978760 450.000000  
44 266.385803 -613.954346 518.000000  
45 267.149963 -613.929932 609.000000  
46 267.914124 -613.905396 534.000000  
47 268.678162 -613.880737 517.000000  
48 269.442200 -613.856079 575.000000  
49 270.206360 -613.831299 600.000000  
50 270.970520 -613.806519 609.000000  
51 271.734558 -613.781616 609.000000  
52 272.498596 -613.756714 561.000000  
53 261.008118 -613.201782 335.000000  
54 261.772156 -613.177856 432.000000  
55 262.536194 -613.153809 487.000000  
56 263.300232 -613.129639 499.000000  
57 264.064270 -613.105469 514.000000  
58 264.828308 -613.081177 442.000000  
59 265.592346 -613.056885 439.000000  
60 266.356384 -613.032471 395.000000  
61 267.120422 -613.007935 400.000000  
62 267.884460 -612.983521 426.000000  
63 268.648499 -612.958862 487.000000  
64 269.412415 -612.934204 548.000000  
65 270.176453 -612.909424 548.000000  
66 270.940491 -612.884644 548.000000  
67 271.704529 -612.859741 535.000000  
68 261.743225 -612.255981 304.000000  
69 262.507141 -612.231812 334.000000  
70 263.271179 -612.207764 396.000000  
71 264.035095 -612.183594 457.000000  
72 264.799011 -612.159302 457.000000  
73 265.563049 -612.135010 426.000000  
74 266.326965 -612.110596 411.000000  
75 267.090881 -612.086182 406.000000  
76 267.854797 -612.061646 396.000000  
77 268.618713 -612.036987 401.000000  
78 269.382629 -612.012329 397.000000

79 261.714294 -611.334106 322.000000  
80 262.478088 -611.309937 334.000000  
81 777.710144 -1118.01306 0.00000000E+00  
82 779.970764 -1115.93896 0.00000000E+00  
83 780.696716 -1114.93750 0.00000000E+00  
84 781.422424 -1113.93604 0.00000000E+00  
85 785.606995 -1106.06689 0.00000000E+00  
86 789.226868 -1101.05811 0.00000000E+00  
87 789.783264 -1098.19727 0.00000000E+00  
88 791.229431 -1096.19348 1.00000000  
89 791.145813 -1095.26416 1.00000000  
90 791.784729 -1093.33289 1.00000000  
91 791.700989 -1092.40356 1.00000000  
92 792.339539 -1090.47253 1.00000000  
93 792.255920 -1089.54321 1.00000000  
94 792.172058 -1088.61401 1.00000000  
95 792.088196 -1087.68494 1.00000000  
96 792.004456 -1086.75574 0.00000000E+00  
97 791.920715 -1085.82666 0.00000000E+00  
98 791.753235 -1083.96826 0.00000000E+00  
99 792.558533 -1083.89575 1.00000000  
100 792.474670 -1082.96667 1.00000000  
101 791.585754 -1082.11023 0.00000000E+00  
102 792.390930 -1082.03760 1.00000000  
103 791.502014 -1081.18127 0.00000000E+00  
104 792.307068 -1081.10864 1.00000000  
105 791.418152 -1080.25220 1.00000000  
106 791.334412 -1079.32324 1.00000000  
107 790.445862 -1078.46667 0.00000000E+00  
108 791.250549 -1078.39417 1.00000000  
109 790.362244 -1077.53772 0.00000000E+00  
110 791.166931 -1077.46521 1.00000000  
111 790.278625 -1076.60876 0.00000000E+00  
112 790.194885 -1075.67993 0.00000000E+00  
113 790.111267 -1074.75098 1.00000000  
114 789.223206 -1073.89453 0.00000000E+00  
115 789.139709 -1072.96558 0.00000000E+00  
116 788.251770 -1072.10913 0.00000000E+00  
117 788.168274 -1071.18030 1.00000000  
118 787.280823 -1070.32373 0.00000000E+00  
119 786.393372 -1069.46704 0.00000000E+00  
120 785.506165 -1068.61035 0.00000000E+00

Surface Met Station UTM's (n,x,y):

Control-file POINT Sources : 1  
EMARB-file POINT Sources : 0  
Control-file AREA Sources : 0  
EMARB-file AREA Sources : 0  
Control-file LINE Sources : 0  
EMARB-file LINE Sources : 0  
Control-file VOLUME Sources: 0  
EMARB-file VOLUME Sources : 0

Source Names  
UNIT\_1

-----  
 INPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.INP	5	CT_NESBITT_03D_CACR.inp
MODEL.DAT	4	pu_nesbitt_03d.flx

-----  
 OUTPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.LST	8	ct_nesbitt_03d_cacr.lst

\*\*\*\*\*  
 \*\*\*\*\*  
 CALPOST Version 6.221      Level 080724  
 \*\*\*\*\*  
 \*\*\*\*\*

24HR VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

START TIME	Modeled Extinction by Species												
Small Large SSalt													
YEAR DAY HR RECEPTOR	COORDINATES (km)			TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)						
%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)			
2002 365 23 1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003 1 23 1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003 2 23 1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003 3 23 1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003 4 23 1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003 5 23 1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003 6 23 1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003 7 23 1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	8 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	9 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	10 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	11 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	12 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	13 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	14 23	18	260.302	-615.069	D	0.187	22.161	22.348	0.84	0.112	0.070	0.001	0.001
0.002	0.000	0.002	0.000	3.850	2.770	3.900							
2003	15 23	79	261.714	-611.334	D	0.628	22.161	22.789	2.83	0.388	0.229	0.001	0.001
0.004	0.001	0.005	0.000	3.850	2.770	3.900							
2003	16 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	17 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	18 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	19 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	20 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	21 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	22 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	23 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	24 23	18	260.302	-615.069	D	0.015	22.161	22.176	0.07	0.005	0.009	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	25 23	18	260.302	-615.069	D	0.021	22.161	22.182	0.10	0.008	0.013	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	26 23	18	260.302	-615.069	D	0.232	22.161	22.393	1.05	0.144	0.082	0.001	0.001
0.002	0.001	0.002	0.000	3.850	2.770	3.900							
2003	27 23	67	271.705	-612.860	D	0.158	22.161	22.318	0.71	0.101	0.053	0.000	0.000
0.001	0.000	0.002	0.000	3.850	2.770	3.900							
2003	28 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	29 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	30 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	31 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2003	32 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	33 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	34 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	35 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	36	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	37	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	38	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	39	23	18	260.302	-615.069	D	1.019	21.835	22.854	4.67	0.715	0.281	0.001
0.004	0.001	0.005	0.012	3.440	2.530	3.520							
2003	40	23	3	271.855	-617.469	D	0.181	21.835	22.016	0.83	0.127	0.052	0.000
0.000	0.000	0.000	0.001	3.440	2.530	3.520							
2003	41	23	3	271.855	-617.469	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	42	23	3	271.855	-617.469	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	43	23	18	260.302	-615.069	D	0.774	21.835	22.608	3.54	0.446	0.293	0.002
0.007	0.002	0.009	0.013	3.440	2.530	3.520							
2003	44	23	67	271.705	-612.860	D	0.015	21.835	21.850	0.07	0.008	0.006	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	45	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	46	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	47	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	48	23	35	273.293	-614.653	D	0.068	21.835	21.903	0.31	0.053	0.013	0.000
0.001	0.000	0.001	0.000	3.440	2.530	3.520							
2003	49	23	35	273.293	-614.653	D	0.001	21.835	21.836	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	50	23	3	271.855	-617.469	D	0.009	21.835	21.843	0.04	0.007	0.001	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	51	23	13	267.973	-615.749	D	0.008	21.835	21.842	0.04	0.003	0.004	0.000
0.000	0.000	0.000	0.001	3.440	2.530	3.520							
2003	52	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	53	23	35	273.293	-614.653	D	0.441	21.835	22.275	2.02	0.259	0.167	0.001
0.004	0.001	0.005	0.002	3.440	2.530	3.520							
2003	54	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	55	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	56	23	3	271.855	-617.469	D	0.007	21.835	21.842	0.03	0.006	0.001	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	57	23	3	271.855	-617.469	D	0.001	21.835	21.836	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	58	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	59	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2003	60	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	61	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	62	23	3	271.855	-617.469	D	0.629	21.600	22.229	2.91	0.482	0.131	0.002
0.005	0.002	0.006	0.001	3.140	2.370	3.310							
2003	63	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	64	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	65	23	1	270.326	-617.519	D	0.539	21.600	22.139	2.49	0.458	0.066	0.002
0.004	0.001	0.006	0.001	3.140	2.370	3.310							
2003	66	23	35	273.293	-614.653	D	0.366	21.600	21.966	1.69	0.284	0.074	0.001
0.003	0.001	0.003	0.001	3.140	2.370	3.310							
2003	67	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	68	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	69	23	3	271.855	-617.469	D	0.213	21.600	21.813	0.99	0.141	0.066	0.001
0.002	0.001	0.003	0.000	3.140	2.370	3.310							
2003	70	23	35	273.293	-614.653	D	0.016	21.600	21.616	0.07	0.013	0.003	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	71	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	72	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	73	23	18	260.302	-615.069	D	0.220	21.600	21.820	1.02	0.183	0.032	0.001
0.002	0.000	0.002	0.000	3.140	2.370	3.310							
2003	74	23	10	265.680	-615.823	D	1.833	21.600	23.432	8.48	1.345	0.436	0.006
0.017	0.005	0.021	0.002	3.140	2.370	3.310							
2003	75	23	2	271.090	-617.494	D	0.850	21.600	22.450	3.93	0.643	0.183	0.003
0.008	0.002	0.010	0.000	3.140	2.370	3.310							
2003	76	23	18	260.302	-615.069	D	0.599	21.600	22.199	2.77	0.351	0.219	0.002
0.007	0.002	0.009	0.008	3.140	2.370	3.310							
2003	77	23	35	273.293	-614.653	D	0.001	21.600	21.601	0.00	0.000	0.001	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	78	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	79	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	80	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	81	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	82	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	83	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	84	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	85	23	35	273.293	-614.653	D	0.104	21.600	21.704	0.48	0.089	0.013	0.000
0.001	0.000	0.001	0.000	3.140	2.370	3.310							
2003	86	23	35	273.293	-614.653	D	0.001	21.600	21.601	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	87	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	88	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	89	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	90	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2003	91	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	92	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	93	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	94	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	95	23	18	260.302	-615.069	D	0.253	21.680	21.933	1.17	0.189	0.056	0.001
0.002	0.000	0.002	0.004	3.240	2.430	3.410							
2003	96	23	9	272.589	-616.522	D	0.030	21.680	21.710	0.14	0.015	0.015	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	97	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	98	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	99	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	100	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	101	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	102	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	103	23	9	272.589	-616.522	D	0.002	21.680	21.682	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	104	23	35	273.293	-614.653	D	0.004	21.680	21.684	0.02	0.004	0.001	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	105	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	106	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	107	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	108	23	35	273.293	-614.653	D	0.003	21.680	21.683	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	109	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	110	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	111	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	112	23	18	260.302	-615.069	D	0.053	21.680	21.733	0.25	0.044	0.008	0.000
0.000	0.000	0.001	0.000	3.240	2.430	3.410							
2003	113	23	9	272.589	-616.522	D	0.039	21.680	21.719	0.18	0.016	0.021	0.000
0.000	0.000	0.001	0.001	3.240	2.430	3.410							
2003	114	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	115	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2003	116	23	18	260.302	-615.069	D	0.160	21.680	21.840	0.74	0.145	0.009	0.001
0.002	0.001	0.002	0.000	3.240	2.430	3.410							
2003	117	23	35	273.293	-614.653	D	0.134	21.680	21.814	0.62	0.124	0.007	0.000
0.001	0.000	0.001	0.000	3.240	2.430	3.410							
2003	118	23	35	273.293	-614.653	D	0.164	21.680	21.844	0.76	0.120	0.040	0.000
0.001	0.000	0.002	0.000	3.240	2.430	3.410							
2003	119	23	1	270.326	-617.519	D	0.000	21.680	21.680	0.00	0.000	0.000	0.000



0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2003	148	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2003	149	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2003	150	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2003	151	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2003	152	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	153	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	154	23	18	260.302	-615.069	D	0.000	22.055	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	155	23	18	260.302	-615.069	D	0.006	22.055	22.062	0.03	0.005	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	156	23	1	270.326	-617.519	D	0.002	22.055	22.057	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	157	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	158	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	159	23	3	271.855	-617.469	D	0.027	22.055	22.082	0.12	0.025	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	160	23	35	273.293	-614.653	D	0.057	22.055	22.112	0.26	0.055	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	161	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	162	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	163	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	164	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	165	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	166	23	9	272.589	-616.522	D	0.004	22.055	22.060	0.02	0.003	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	167	23	35	273.293	-614.653	D	0.348	22.055	22.404	1.58	0.305	0.042	0.000
0.001	0.000	0.001	0.000	3.710	2.710	3.880							
2003	168	23	18	260.302	-615.069	D	0.064	22.055	22.120	0.29	0.054	0.010	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	169	23	3	271.855	-617.469	D	0.001	22.055	22.056	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	170	23	1	270.326	-617.519	D	0.000	22.055	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	171	23	3	271.855	-617.469	D	0.003	22.055	22.058	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	172	23	18	260.302	-615.069	D	0.082	22.055	22.138	0.37	0.076	0.005	0.000
0.001	0.000	0.001	0.000	3.710	2.710	3.880							
2003	173	23	9	272.589	-616.522	D	1.027	22.055	23.082	4.66	0.969	0.032	0.003
0.009	0.003	0.011	0.000	3.710	2.710	3.880							
2003	174	23	35	273.293	-614.653	D	0.605	22.055	22.660	2.74	0.566	0.020	0.002
0.006	0.002	0.008	0.001	3.710	2.710	3.880							
2003	175	23	35	273.293	-614.653	D	0.272	22.055	22.327	1.23	0.260	0.004	0.001

0.003	0.001	0.003	0.000	3.710	2.710	3.880							
2003	176	23	35	273.293	-614.653	D	0.020	22.055	22.075	0.09	0.016	0.003	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	177	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	178	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	179	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	180	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	181	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2003	182	23	1	270.326	-617.519	D	0.000	21.881	21.882	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	183	23	3	271.855	-617.469	D	0.015	21.881	21.896	0.07	0.014	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	184	23	1	270.326	-617.519	D	0.507	21.881	22.388	2.32	0.483	0.019	0.001
0.002	0.001	0.002	0.000	3.490	2.590	3.690							
2003	185	23	36	260.273	-614.148	D	0.238	21.881	22.119	1.09	0.201	0.035	0.000
0.001	0.000	0.001	0.000	3.490	2.590	3.690							
2003	186	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	187	23	3	271.855	-617.469	D	0.069	21.881	21.950	0.31	0.066	0.001	0.000
0.001	0.000	0.001	0.000	3.490	2.590	3.690							
2003	188	23	35	273.293	-614.653	D	0.217	21.881	22.098	0.99	0.198	0.012	0.001
0.002	0.001	0.003	0.000	3.490	2.590	3.690							
2003	189	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	190	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	191	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	192	23	3	271.855	-617.469	D	0.019	21.881	21.900	0.09	0.018	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	193	23	35	273.293	-614.653	D	0.002	21.881	21.883	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	194	23	3	271.855	-617.469	D	0.382	21.881	22.263	1.75	0.348	0.029	0.001
0.002	0.001	0.002	0.000	3.490	2.590	3.690							
2003	195	23	35	273.293	-614.653	D	0.873	21.881	22.754	3.99	0.668	0.170	0.003
0.010	0.003	0.012	0.006	3.490	2.590	3.690							
2003	196	23	35	273.293	-614.653	D	0.185	21.881	22.067	0.85	0.148	0.031	0.001
0.002	0.001	0.003	0.000	3.490	2.590	3.690							
2003	197	23	35	273.293	-614.653	D	0.002	21.881	21.883	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	198	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	199	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	200	23	1	270.326	-617.519	D	0.000	21.881	21.882	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	201	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	202	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	203	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	204	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	205	23	18	260.302	-615.069	D	0.277	21.881	22.158	1.27	0.215	0.057	0.001
0.002	0.001	0.002	0.000	3.490	2.590	3.690							
2003	206	23	9	272.589	-616.522	D	0.330	21.881	22.212	1.51	0.298	0.028	0.001
0.002	0.001	0.002	0.000	3.490	2.590	3.690							
2003	207	23	35	273.293	-614.653	D	0.032	21.881	21.914	0.15	0.031	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	208	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	209	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	210	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	211	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	212	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2003	213	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	214	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	215	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	216	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	217	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	218	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	219	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	220	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	221	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	222	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	223	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	224	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	225	23	3	271.855	-617.469	D	0.132	21.896	22.027	0.60	0.115	0.014	0.000
0.001	0.000	0.001	0.000	3.510	2.600	3.680							
2003	226	23	9	272.589	-616.522	D	0.066	21.896	21.962	0.30	0.058	0.008	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	227	23	1	270.326	-617.519	D	0.006	21.896	21.902	0.03	0.006	0.001	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	228	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	229	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	230	23	1	270.326	-617.519	D	0.188	21.896	22.084	0.86	0.184	0.001	0.000
0.001	0.000	0.001	0.000	3.510	2.600	3.680							
2003	231	23	3	271.855	-617.469	D	0.063	21.896	21.959	0.29	0.061	0.001	0.000

0.000	0.000	0.001	0.000	3.510	2.600	3.680							
2003	232	23	9	272.589	-616.522	D	0.066	21.896	21.962	0.30	0.063	0.002	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	233	23	9	272.589	-616.522	D	0.248	21.896	22.144	1.13	0.238	0.007	0.000
0.001	0.000	0.001	0.000	3.510	2.600	3.680							
2003	234	23	3	271.855	-617.469	D	0.263	21.896	22.159	1.20	0.256	0.004	0.000
0.001	0.000	0.001	0.000	3.510	2.600	3.680							
2003	235	23	1	270.326	-617.519	D	0.035	21.896	21.930	0.16	0.033	0.001	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	236	23	1	270.326	-617.519	D	0.001	21.896	21.897	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	237	23	18	260.302	-615.069	D	0.539	21.896	22.435	2.46	0.423	0.108	0.001
0.003	0.001	0.004	0.000	3.510	2.600	3.680							
2003	238	23	67	271.705	-612.860	D	0.356	21.896	22.252	1.63	0.261	0.090	0.001
0.002	0.001	0.002	0.000	3.510	2.600	3.680							
2003	239	23	35	273.293	-614.653	D	0.001	21.896	21.897	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	240	23	3	271.855	-617.469	D	0.013	21.896	21.909	0.06	0.011	0.002	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	241	23	3	271.855	-617.469	D	1.365	21.896	23.260	6.23	0.861	0.476	0.003
0.009	0.003	0.011	0.001	3.510	2.600	3.680							
2003	242	23	18	260.302	-615.069	D	0.016	21.896	21.911	0.07	0.007	0.008	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2003	243	23	79	261.714	-611.334	D	0.136	21.896	22.032	0.62	0.085	0.044	0.001
0.002	0.001	0.002	0.003	3.510	2.600	3.680							
2003	244	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	245	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	246	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	247	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	248	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	249	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	250	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	251	23	18	260.302	-615.069	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	252	23	35	273.293	-614.653	D	0.597	22.067	22.664	2.71	0.462	0.120	0.002
0.005	0.002	0.006	0.000	3.730	2.710	3.820							
2003	253	23	35	273.293	-614.653	D	0.076	22.067	22.143	0.34	0.068	0.004	0.000
0.001	0.000	0.001	0.000	3.730	2.710	3.820							
2003	254	23	3	271.855	-617.469	D	0.032	22.067	22.099	0.14	0.023	0.007	0.000
0.000	0.000	0.000	0.001	3.730	2.710	3.820							
2003	255	23	35	273.293	-614.653	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	256	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	257	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	258	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	259	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	260	23	1	270.326	-617.519	D	0.009	22.067	22.076	0.04	0.008	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	261	23	3	271.855	-617.469	D	0.002	22.067	22.069	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	262	23	1	270.326	-617.519	D	0.002	22.067	22.069	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	263	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	264	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	265	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	266	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	267	23	18	260.302	-615.069	D	0.004	22.067	22.071	0.02	0.003	0.001	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	268	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	269	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	270	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	271	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	272	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	273	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2003	274	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	275	23	1	270.326	-617.519	D	0.004	22.056	22.061	0.02	0.003	0.001	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	276	23	3	271.855	-617.469	D	0.023	22.056	22.079	0.10	0.017	0.005	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	277	23	3	271.855	-617.469	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	278	23	35	273.293	-614.653	D	0.101	22.056	22.157	0.46	0.089	0.011	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	279	23	9	272.589	-616.522	D	1.495	22.056	23.551	6.78	1.324	0.155	0.002
0.005	0.002	0.007	0.000	3.720	2.690	3.760							
2003	280	23	18	260.302	-615.069	D	0.132	22.056	22.188	0.60	0.112	0.018	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	281	23	9	272.589	-616.522	D	0.366	22.056	22.422	1.66	0.240	0.117	0.001
0.003	0.001	0.004	0.001	3.720	2.690	3.760							
2003	282	23	35	273.293	-614.653	D	0.008	22.056	22.064	0.03	0.006	0.001	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	283	23	67	271.705	-612.860	D	0.021	22.056	22.077	0.09	0.016	0.004	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	284	23	1	270.326	-617.519	D	0.001	22.056	22.058	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	285	23	9	272.589	-616.522	D	0.068	22.056	22.125	0.31	0.059	0.007	0.000
0.001	0.000	0.001	0.000	3.720	2.690	3.760							
2003	286	23	35	273.293	-614.653	D	0.003	22.056	22.059	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	287	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	288	23	35	273.293	-614.653	D	0.018	22.056	22.074	0.08	0.017	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	289	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	290	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	291	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	292	23	3	271.855	-617.469	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	293	23	3	271.855	-617.469	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	294	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	295	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	296	23	9	272.589	-616.522	D	0.188	22.056	22.244	0.85	0.171	0.012	0.001
0.002	0.001	0.002	0.000	3.720	2.690	3.760							
2003	297	23	35	273.293	-614.653	D	0.000	22.056	22.057	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	298	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	299	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	300	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	301	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	302	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2003	303	23	35	273.293	-614.653	D	0.105	22.056	22.162	0.48	0.084	0.018	0.000
0.001	0.000	0.001	0.000	3.720	2.690	3.760							
2003	304	23	3	271.855	-617.469	D	0.884	22.056	22.941	4.01	0.660	0.193	0.003
0.010	0.003	0.013	0.001	3.720	2.690	3.760							
2003	305	23	18	260.302	-615.069	D	0.420	22.027	22.447	1.91	0.284	0.118	0.002
0.005	0.002	0.007	0.002	3.680	2.670	3.770							
2003	306	23	35	273.293	-614.653	D	0.394	22.027	22.421	1.79	0.307	0.072	0.002
0.005	0.001	0.006	0.002	3.680	2.670	3.770							
2003	307	23	35	273.293	-614.653	D	0.113	22.027	22.140	0.51	0.076	0.033	0.000
0.001	0.000	0.002	0.000	3.680	2.670	3.770							
2003	308	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	309	23	9	272.589	-616.522	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	310	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	311	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	312	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	313	23	3	271.855	-617.469	D	0.119	22.027	22.146	0.54	0.067	0.048	0.000
0.001	0.000	0.001	0.000	3.680	2.670	3.770							
2003	314	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	315	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	316	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	317	23	18	260.302	-615.069	D	0.043	22.027	22.070	0.20	0.030	0.011	0.000
0.001	0.000	0.001	0.000	3.680	2.670	3.770							
2003	318	23	78	269.383	-612.012	D	0.045	22.027	22.072	0.20	0.031	0.011	0.000
0.001	0.000	0.001	0.000	3.680	2.670	3.770							
2003	319	23	35	273.293	-614.653	D	0.003	22.027	22.030	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	320	23	35	273.293	-614.653	D	0.040	22.027	22.067	0.18	0.026	0.013	0.000
0.000	0.000	0.000	0.001	3.680	2.670	3.770							
2003	321	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	322	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	323	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	324	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	325	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	326	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	327	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	328	23	3	271.855	-617.469	D	0.547	22.027	22.574	2.48	0.252	0.278	0.002
0.005	0.002	0.007	0.001	3.680	2.670	3.770							
2003	329	23	35	273.293	-614.653	D	0.005	22.027	22.032	0.02	0.003	0.002	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	330	23	35	273.293	-614.653	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	331	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	332	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	333	23	9	272.589	-616.522	D	0.003	22.027	22.030	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	334	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2003	335	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	336	23	35	273.293	-614.653	D	0.235	22.185	22.419	1.06	0.105	0.119	0.001
0.003	0.001	0.004	0.002	3.880	2.790	3.930							
2003	337	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	338	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	339	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	340	23	3	271.855	-617.469	D	0.519	22.185	22.704	2.34	0.320	0.185	0.001
0.004	0.001	0.006	0.001	3.880	2.790	3.930							
2003	341	23	35	273.293	-614.653	D	0.061	22.185	22.246	0.28	0.039	0.021	0.000
0.000	0.000	0.001	0.000	3.880	2.790	3.930							
2003	342	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	343	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	344	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	345	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	346	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	347	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	348	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	349	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	350	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	351	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	352	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	353	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	354	23	3	271.855	-617.469	D	0.324	22.185	22.508	1.46	0.180	0.136	0.001
0.003	0.001	0.003	0.000	3.880	2.790	3.930							
2003	355	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	356	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	357	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	358	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	359	23	13	267.973	-615.749	D	0.183	22.185	22.368	0.83	0.064	0.111	0.001
0.002	0.001	0.003	0.002	3.880	2.790	3.930							
2003	360	23	35	273.293	-614.653	D	0.371	22.185	22.556	1.67	0.151	0.188	0.002
0.007	0.002	0.009	0.011	3.880	2.790	3.930							
2003	361	23	35	273.293	-614.653	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	362	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2003	363	23	18	260.302	-615.069	D	0.006	22.185	22.191	0.03	0.003	0.002	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							

--- Ranked Daily Visibility Change ---

START TIME							Modeled Extinction by Species						
Small Large SSalt													
YEAR	DAY	HR	RECEPTOR	COORDINATES (km)			TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)			
%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)			
2003	74	23	10	265.680	-615.823	D	1.833	21.600	23.432	8.48	1.345	0.436	0.006
0.017	0.005	0.021	0.002	3.140	2.370	3.310	1						
2003	279	23	9	272.589	-616.522	D	1.495	22.056	23.551	6.78	1.324	0.155	0.002
0.005	0.002	0.007	0.000	3.720	2.690	3.760	2						
2003	241	23	3	271.855	-617.469	D	1.365	21.896	23.260	6.23	0.861	0.476	0.003
0.009	0.003	0.011	0.001	3.510	2.600	3.680	3						
2003	39	23	18	260.302	-615.069	D	1.019	21.835	22.854	4.67	0.715	0.281	0.001
0.004	0.001	0.005	0.012	3.440	2.530	3.520	4						

2003	173	23	9	272.589	-616.522	D	1.027	22.055	23.082	4.66	0.969	0.032	0.003
0.009	0.003	0.011	0.000	3.710	2.710	3.880	5						
2003	304	23	3	271.855	-617.469	D	0.884	22.056	22.941	4.01	0.660	0.193	0.003
0.010	0.003	0.013	0.001	3.720	2.690	3.760	6						
2003	195	23	35	273.293	-614.653	D	0.873	21.881	22.754	3.99	0.668	0.170	0.003
0.010	0.003	0.012	0.006	3.490	2.590	3.690	7						
2003	75	23	2	271.090	-617.494	D	0.850	21.600	22.450	3.93	0.643	0.183	0.003
0.008	0.002	0.010	0.000	3.140	2.370	3.310	8						
2003	43	23	18	260.302	-615.069	D	0.774	21.835	22.608	3.54	0.446	0.293	0.002
0.007	0.002	0.009	0.013	3.440	2.530	3.520	9						
2003	62	23	3	271.855	-617.469	D	0.629	21.600	22.229	2.91	0.482	0.131	0.002
0.005	0.002	0.006	0.001	3.140	2.370	3.310	10						
2003	132	23	1	270.326	-617.519	D	0.636	22.015	22.651	2.89	0.533	0.085	0.002
0.006	0.002	0.008	0.000	3.660	2.680	3.830	11						
2003	15	23	79	261.714	-611.334	D	0.628	22.161	22.789	2.83	0.388	0.229	0.001
0.004	0.001	0.005	0.000	3.850	2.770	3.900	12						
2003	76	23	18	260.302	-615.069	D	0.599	21.600	22.199	2.77	0.351	0.219	0.002
0.007	0.002	0.009	0.008	3.140	2.370	3.310	13						
2003	174	23	35	273.293	-614.653	D	0.605	22.055	22.660	2.74	0.566	0.020	0.002
0.006	0.002	0.008	0.001	3.710	2.710	3.880	14						
2003	252	23	35	273.293	-614.653	D	0.597	22.067	22.664	2.71	0.462	0.120	0.002
0.005	0.002	0.006	0.000	3.730	2.710	3.820	15						
2003	65	23	1	270.326	-617.519	D	0.539	21.600	22.139	2.49	0.458	0.066	0.002
0.004	0.001	0.006	0.001	3.140	2.370	3.310	16						
2003	328	23	3	271.855	-617.469	D	0.547	22.027	22.574	2.48	0.252	0.278	0.002
0.005	0.002	0.007	0.001	3.680	2.670	3.770	17						
2003	237	23	18	260.302	-615.069	D	0.539	21.896	22.435	2.46	0.423	0.108	0.001
0.003	0.001	0.004	0.000	3.510	2.600	3.680	18						
2003	340	23	3	271.855	-617.469	D	0.519	22.185	22.704	2.34	0.320	0.185	0.001
0.004	0.001	0.006	0.001	3.880	2.790	3.930	19						
2003	184	23	1	270.326	-617.519	D	0.507	21.881	22.388	2.32	0.483	0.019	0.001
0.002	0.001	0.002	0.000	3.490	2.590	3.690	20						
2003	53	23	35	273.293	-614.653	D	0.441	21.835	22.275	2.02	0.259	0.167	0.001
0.004	0.001	0.005	0.002	3.440	2.530	3.520	21						
2003	305	23	18	260.302	-615.069	D	0.420	22.027	22.447	1.91	0.284	0.118	0.002
0.005	0.002	0.007	0.002	3.680	2.670	3.770	22						

--- Number of days with Extinction Change => 5.0 % : 3  
 --- Number of days with Extinction Change => 10.0 % : 0  
 --- Largest Extinction Change = 8.48 %

\*\*\*\*\*  
\*\*\*\*\*

CALPOST Version 6.221 Level 080724

\*\*\*\*\*  
\*\*\*\*\*

Run-Length VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

RECEPTOR COORDINATES (km) TYPE BEXT(Model) BEXT(BKG) BEXT(Total) %CHANGE

1 270.326 -617.519 D 0.073 21.955 22.028 0.33

--- Number of recs with Extinction Change > 1.0 % : 0

--- Largest Extinction Change = 0.33 %

\*\*\*\*\*  
\*\*\*\*\*

CALPOST Version 6.221 Level 080724

\*\*\*\*\*  
\*\*\*\*\*

24HR VISIBILITY

VISIB BOESNCFG

(deciview)

START TIME		% of Modeled Extinction by Species																	
YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)	
2002	365	23	1	270.326 -617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.880 2.790 3.930																
2003	1	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	2	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	3	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	4	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	5	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	6	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	7	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	8	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	9	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	10	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	11	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	12	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00 0.00 3.850 2.770 3.900																
2003	13	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.850	2.770	3.900										
2003	14	23	18	260.302	-615.069	D	8.041	7.957	0.084	59.90	37.60	0.28	0.82	0.25
1.02	0.13	3.850	2.770	3.900										
2003	15	23	79	261.714	-611.334	D	8.237	7.957	0.279	61.74	36.47	0.20	0.59	0.18
0.74	0.07	3.850	2.770	3.900										
2003	16	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	17	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	18	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	19	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	20	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	21	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	22	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	23	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	24	23	18	260.302	-615.069	D	7.964	7.957	0.007	36.01	61.32	0.29	0.85	0.26
1.06	0.23	3.850	2.770	3.900										
2003	25	23	18	260.302	-615.069	D	7.967	7.957	0.010	37.14	60.35	0.27	0.80	0.24
1.00	0.19	3.850	2.770	3.900										
2003	26	23	18	260.302	-615.069	D	8.061	7.957	0.104	62.23	35.30	0.28	0.82	0.25
1.03	0.09	3.850	2.770	3.900										
2003	27	23	67	271.705	-612.860	D	8.028	7.957	0.071	63.92	33.57	0.28	0.84	0.25
1.05	0.07	3.850	2.770	3.900										
2003	28	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	29	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	30	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	31	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2003	32	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	33	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	34	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	35	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	36	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	37	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	38	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	39	23	18	260.302	-615.069	D	8.265	7.809	0.456	70.17	27.59	0.12	0.36	0.11
0.46	1.18	3.440	2.530	3.520										
2003	40	23	3	271.855	-617.469	D	7.892	7.809	0.083	70.02	28.83	0.05	0.15	0.05
0.19	0.71	3.440	2.530	3.520										
2003	41	23	3	271.855	-617.469	D	7.809	7.809	0.000	71.02	24.15	0.00	0.13	0.04

0.16	0.00	3.440	2.530	3.520										
2003	42	23	3	271.855	-617.469	D	7.809	7.809	0.000	75.60	24.76	0.00	0.16	0.05
0.20	0.00	3.440	2.530	3.520										
2003	43	23	18	260.302	-615.069	D	8.157	7.809	0.348	57.68	37.94	0.32	0.94	0.28
1.18	1.67	3.440	2.530	3.520										
2003	44	23	67	271.705	-612.860	D	7.816	7.809	0.007	56.18	38.83	0.34	1.02	0.31
1.28	2.04	3.440	2.530	3.520										
2003	45	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	46	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	47	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	48	23	35	273.293	-614.653	D	7.840	7.809	0.031	78.15	18.65	0.37	1.10	0.33
1.38	0.02	3.440	2.530	3.520										
2003	49	23	35	273.293	-614.653	D	7.810	7.809	0.000	80.72	17.43	0.24	0.68	0.20
0.85	0.00	3.440	2.530	3.520										
2003	50	23	3	271.855	-617.469	D	7.813	7.809	0.004	85.74	12.38	0.04	0.12	0.04
0.15	1.54	3.440	2.530	3.520										
2003	51	23	13	267.973	-615.749	D	7.813	7.809	0.004	39.62	52.35	0.01	0.04	0.01
0.05	7.90	3.440	2.530	3.520										
2003	52	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	53	23	35	273.293	-614.653	D	8.009	7.809	0.200	58.72	37.85	0.33	0.99	0.30
1.24	0.57	3.440	2.530	3.520										
2003	54	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2003	55	23	1	270.326	-617.519	D	7.809	7.809	0.000	84.38	12.95	0.00	0.18	0.05
0.22	0.01	3.440	2.530	3.520										
2003	56	23	3	271.855	-617.469	D	7.812	7.809	0.003	81.20	17.99	0.09	0.28	0.08
0.35	0.01	3.440	2.530	3.520										
2003	57	23	3	271.855	-617.469	D	7.810	7.809	0.000	88.72	10.74	0.05	0.16	0.05
0.20	0.01	3.440	2.530	3.520										
2003	58	23	1	270.326	-617.519	D	7.809	7.809	0.000	97.37	3.62	0.00	0.06	0.02
0.07	0.00	3.440	2.530	3.520										
2003	59	23	1	270.326	-617.519	D	7.809	7.809	0.000	96.12	3.34	0.00	0.05	0.02
0.06	0.00	3.440	2.530	3.520										
2003	60	23	1	270.326	-617.519	D	7.701	7.701	0.000	87.50	3.12	0.00	0.06	0.02
0.07	0.00	3.140	2.370	3.310										
2003	61	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	62	23	3	271.855	-617.469	D	7.988	7.701	0.287	76.64	20.88	0.27	0.79	0.24
0.99	0.18	3.140	2.370	3.310										
2003	63	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	64	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	65	23	1	270.326	-617.519	D	7.947	7.701	0.246	85.03	12.32	0.28	0.83	0.25
1.04	0.25	3.140	2.370	3.310										
2003	66	23	35	273.293	-614.653	D	7.869	7.701	0.168	77.53	20.23	0.24	0.72	0.22
0.90	0.17	3.140	2.370	3.310										
2003	67	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	68	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	69	23	3	271.855	-617.469	D	7.799	7.701	0.098	66.23	30.82	0.34	1.02	0.31

1.27	0.00	3.140	2.370	3.310										
2003	70	23	35	273.293	-614.653	D	7.709	7.701	0.007	79.57	18.38	0.24	0.71	0.21
0.88	0.00	3.140	2.370	3.310										
2003	71	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	72	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	73	23	18	260.302	-615.069	D	7.802	7.701	0.101	83.14	14.72	0.25	0.74	0.22
0.93	0.00	3.140	2.370	3.310										
2003	74	23	10	265.680	-615.823	D	8.515	7.701	0.814	73.42	23.82	0.31	0.93	0.28
1.16	0.09	3.140	2.370	3.310										
2003	75	23	2	271.090	-617.494	D	8.087	7.701	0.386	75.69	21.50	0.33	0.96	0.29
1.21	0.03	3.140	2.370	3.310										
2003	76	23	18	260.302	-615.069	D	7.975	7.701	0.274	58.56	36.63	0.42	1.23	0.37
1.54	1.26	3.140	2.370	3.310										
2003	77	23	35	273.293	-614.653	D	7.701	7.701	0.000	16.35	80.03	0.00	0.01	0.00
0.01	3.53	3.140	2.370	3.310										
2003	78	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	79	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	80	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	81	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	82	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	83	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	84	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	85	23	35	273.293	-614.653	D	7.749	7.701	0.048	85.51	12.35	0.24	0.71	0.21
0.89	0.09	3.140	2.370	3.310										
2003	86	23	35	273.293	-614.653	D	7.702	7.701	0.001	78.01	21.63	0.04	0.13	0.04
0.16	0.00	3.140	2.370	3.310										
2003	87	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	88	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	89	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	90	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2003	91	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2003	92	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2003	93	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2003	94	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2003	95	23	18	260.302	-615.069	D	7.854	7.738	0.116	74.47	22.02	0.21	0.61	0.18
0.77	1.74	3.240	2.430	3.410										
2003	96	23	9	272.589	-616.522	D	7.752	7.738	0.014	49.47	49.06	0.03	0.08	0.02
0.10	1.25	3.240	2.430	3.410										
2003	97	23	1	270.326	-617.519	D	7.738	7.738	0.000	69.93	30.07	0.00	0.06	0.02

0.07	0.02	3.240	2.430	3.410															
2003	98	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	99	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	100	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	101	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	102	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	103	23	9	272.589	-616.522	D	7.739	7.738	0.001	87.57	11.32	0.14	0.39	0.12					
0.49	0.00	3.240	2.430	3.410															
2003	104	23	35	273.293	-614.653	D	7.740	7.738	0.002	86.17	12.71	0.13	0.39	0.12					
0.48	0.00	3.240	2.430	3.410															
2003	105	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	106	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	107	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	108	23	35	273.293	-614.653	D	7.739	7.738	0.001	72.01	25.14	0.29	0.87	0.26					
1.09	0.36	3.240	2.430	3.410															
2003	109	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	110	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	111	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	112	23	18	260.302	-615.069	D	7.763	7.738	0.025	81.86	15.76	0.26	0.77	0.23					
0.97	0.14	3.240	2.430	3.410															
2003	113	23	9	272.589	-616.522	D	7.756	7.738	0.018	41.01	52.90	0.38	1.14	0.34					
1.43	2.79	3.240	2.430	3.410															
2003	114	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	115	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	116	23	18	260.302	-615.069	D	7.811	7.738	0.074	90.94	5.87	0.37	1.10	0.33					
1.38	0.00	3.240	2.430	3.410															
2003	117	23	35	273.293	-614.653	D	7.800	7.738	0.062	92.33	5.56	0.25	0.73	0.22					
0.92	0.00	3.240	2.430	3.410															
2003	118	23	35	273.293	-614.653	D	7.813	7.738	0.075	73.36	24.38	0.26	0.78	0.24					
0.98	0.00	3.240	2.430	3.410															
2003	119	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	120	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2003	121	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830															
2003	122	23	9	272.589	-616.522	D	7.893	7.892	0.001	89.34	9.06	0.19	0.57	0.17					
0.71	0.00	3.660	2.680	3.830															
2003	123	23	35	273.293	-614.653	D	7.895	7.892	0.003	90.33	8.00	0.19	0.57	0.17					
0.72	0.00	3.660	2.680	3.830															
2003	124	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830															
2003	125	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.660	2.680	3.830													
2003	126	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	127	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	128	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	129	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	130	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	131	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	132	23	1	270.326	-617.519	D	8.176	7.892	0.285	83.84	13.31	0.33	0.97	0.29			
1.22	0.04	3.660	2.680	3.830													
2003	133	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	134	23	35	273.293	-614.653	D	7.907	7.892	0.015	68.47	30.19	0.02	0.07	0.02			
0.08	1.14	3.660	2.680	3.830													
2003	135	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	136	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	137	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	138	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	139	23	3	271.855	-617.469	D	7.892	7.892	0.000	88.73	10.07	0.16	0.33	0.10			
0.41	0.00	3.660	2.680	3.830													
2003	140	23	2	271.090	-617.494	D	7.892	7.892	0.000	92.42	6.78	0.00	0.34	0.10			
0.42	0.00	3.660	2.680	3.830													
2003	141	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	142	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	143	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	144	23	2	271.090	-617.494	D	7.892	7.892	0.000	96.09	2.34	0.00	0.50	0.15			
0.63	0.00	3.660	2.680	3.830													
2003	145	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	146	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	147	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	148	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	149	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	150	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	151	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.660	2.680	3.830													
2003	152	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880													
2003	153	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.710	2.710	3.880										
2003	154	23	18	260.302	-615.069	D	7.910	7.910	0.000	80.83	17.38	0.21	0.62	0.19
0.77	0.00	3.710	2.710	3.880										
2003	155	23	18	260.302	-615.069	D	7.913	7.910	0.003	83.18	15.46	0.16	0.47	0.14
0.59	0.00	3.710	2.710	3.880										
2003	156	23	1	270.326	-617.519	D	7.910	7.910	0.001	89.39	9.61	0.12	0.35	0.11
0.44	0.04	3.710	2.710	3.880										
2003	157	23	1	270.326	-617.519	D	7.910	7.910	0.000	95.83	1.04	0.00	0.01	0.00
0.02	0.00	3.710	2.710	3.880										
2003	158	23	1	270.326	-617.519	D	7.910	7.910	0.000	85.42	0.00	0.00	0.01	0.00
0.01	0.00	3.710	2.710	3.880										
2003	159	23	3	271.855	-617.469	D	7.922	7.910	0.012	93.77	4.02	0.26	0.76	0.23
0.96	0.00	3.710	2.710	3.880										
2003	160	23	35	273.293	-614.653	D	7.936	7.910	0.026	95.58	2.41	0.23	0.69	0.21
0.87	0.00	3.710	2.710	3.880										
2003	161	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2003	162	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2003	163	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2003	164	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2003	165	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2003	166	23	9	272.589	-616.522	D	7.912	7.910	0.002	84.87	14.56	0.07	0.19	0.06
0.24	0.00	3.710	2.710	3.880										
2003	167	23	35	273.293	-614.653	D	8.066	7.910	0.157	87.48	11.95	0.06	0.18	0.05
0.23	0.05	3.710	2.710	3.880										
2003	168	23	18	260.302	-615.069	D	7.939	7.910	0.029	83.34	16.26	0.04	0.13	0.04
0.16	0.03	3.710	2.710	3.880										
2003	169	23	3	271.855	-617.469	D	7.910	7.910	0.000	94.86	5.00	0.00	0.01	0.00
0.02	0.00	3.710	2.710	3.880										
2003	170	23	1	270.326	-617.519	D	7.910	7.910	0.000	95.95	3.59	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2003	171	23	3	271.855	-617.469	D	7.911	7.910	0.001	98.85	0.91	0.02	0.09	0.03
0.11	0.00	3.710	2.710	3.880										
2003	172	23	18	260.302	-615.069	D	7.947	7.910	0.037	92.27	5.75	0.23	0.68	0.21
0.86	0.00	3.710	2.710	3.880										
2003	173	23	9	272.589	-616.522	D	8.365	7.910	0.455	94.36	3.16	0.29	0.85	0.26
1.07	0.03	3.710	2.710	3.880										
2003	174	23	35	273.293	-614.653	D	8.180	7.910	0.270	93.61	3.33	0.35	1.03	0.31
1.28	0.09	3.710	2.710	3.880										
2003	175	23	35	273.293	-614.653	D	8.032	7.910	0.123	95.48	1.61	0.34	1.00	0.30
1.25	0.01	3.710	2.710	3.880										
2003	176	23	35	273.293	-614.653	D	7.919	7.910	0.009	81.18	14.80	0.46	1.36	0.41
1.70	0.08	3.710	2.710	3.880										
2003	177	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2003	178	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2003	179	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2003	180	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2003	181	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.710	2.710	3.880										
2003	182	23	1	270.326	-617.519	D	7.831	7.830	0.000	93.40	5.14	0.13	0.60	0.18
0.75	0.00	3.490	2.590	3.690										
2003	183	23	3	271.855	-617.469	D	7.837	7.830	0.007	92.95	5.62	0.16	0.50	0.15
0.62	0.00	3.490	2.590	3.690										
2003	184	23	1	270.326	-617.519	D	8.060	7.830	0.229	95.30	3.67	0.12	0.36	0.11
0.44	0.00	3.490	2.590	3.690										
2003	185	23	36	260.273	-614.148	D	7.939	7.830	0.108	84.35	14.61	0.12	0.36	0.11
0.45	0.00	3.490	2.590	3.690										
2003	186	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2003	187	23	3	271.855	-617.469	D	7.862	7.830	0.031	96.36	1.08	0.30	0.88	0.27
1.11	0.01	3.490	2.590	3.690										
2003	188	23	35	273.293	-614.653	D	7.929	7.830	0.099	91.28	5.68	0.35	1.05	0.32
1.31	0.01	3.490	2.590	3.690										
2003	189	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2003	190	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2003	191	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2003	192	23	3	271.855	-617.469	D	7.839	7.830	0.009	92.47	5.47	0.24	0.71	0.21
0.89	0.00	3.490	2.590	3.690										
2003	193	23	35	273.293	-614.653	D	7.831	7.830	0.001	83.59	14.70	0.22	0.59	0.18
0.74	0.00	3.490	2.590	3.690										
2003	194	23	3	271.855	-617.469	D	8.004	7.830	0.173	91.08	7.62	0.15	0.45	0.14
0.57	0.00	3.490	2.590	3.690										
2003	195	23	35	273.293	-614.653	D	8.222	7.830	0.391	76.53	19.48	0.38	1.13	0.34
1.42	0.70	3.490	2.590	3.690										
2003	196	23	35	273.293	-614.653	D	7.915	7.830	0.084	79.82	16.93	0.38	1.11	0.34
1.40	0.03	3.490	2.590	3.690										
2003	197	23	35	273.293	-614.653	D	7.831	7.830	0.001	87.81	10.32	0.22	0.65	0.20
0.81	0.00	3.490	2.590	3.690										
2003	198	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2003	199	23	1	270.326	-617.519	D	7.831	7.830	0.000	96.78	2.20	0.00	0.26	0.08
0.33	0.00	3.490	2.590	3.690										
2003	200	23	1	270.326	-617.519	D	7.831	7.830	0.000	98.04	1.27	0.00	0.22	0.07
0.28	0.00	3.490	2.590	3.690										
2003	201	23	1	270.326	-617.519	D	7.831	7.830	0.000	98.03	0.49	0.00	0.21	0.06
0.27	0.00	3.490	2.590	3.690										
2003	202	23	1	270.326	-617.519	D	7.830	7.830	0.000	118.75	0.00	0.00	0.23	0.07
0.29	0.00	3.490	2.590	3.690										
2003	203	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2003	204	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2003	205	23	18	260.302	-615.069	D	7.956	7.830	0.126	77.52	20.50	0.23	0.68	0.21
0.86	0.00	3.490	2.590	3.690										
2003	206	23	9	272.589	-616.522	D	7.980	7.830	0.150	90.17	8.34	0.17	0.51	0.15
0.64	0.00	3.490	2.590	3.690										
2003	207	23	35	273.293	-614.653	D	7.845	7.830	0.015	95.12	4.12	0.09	0.26	0.08
0.33	0.00	3.490	2.590	3.690										
2003	208	23	1	270.326	-617.519	D	7.830	7.830	0.000	93.23	3.65	0.00	0.13	0.04
0.16	0.00	3.490	2.590	3.690										
2003	209	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.490	2.590	3.690															
2003	210	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690															
2003	211	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690															
2003	212	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690															
2003	213	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	214	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	215	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	216	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	217	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	218	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	219	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	220	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	221	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	222	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	223	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	224	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	225	23	3	271.855	-617.469	D	7.897	7.837	0.060	87.29	10.39	0.27	0.79	0.24					
0.99	0.03	3.510	2.600	3.680															
2003	226	23	9	272.589	-616.522	D	7.867	7.837	0.030	87.57	11.30	0.13	0.39	0.12					
0.49	0.00	3.510	2.600	3.680															
2003	227	23	1	270.326	-617.519	D	7.840	7.837	0.003	90.93	8.11	0.12	0.33	0.10					
0.41	0.00	3.510	2.600	3.680															
2003	228	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	229	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2003	230	23	1	270.326	-617.519	D	7.923	7.837	0.086	97.61	0.67	0.20	0.59	0.18					
0.74	0.00	3.510	2.600	3.680															
2003	231	23	3	271.855	-617.469	D	7.866	7.837	0.029	96.24	1.85	0.22	0.66	0.20					
0.83	0.00	3.510	2.600	3.680															
2003	232	23	9	272.589	-616.522	D	7.867	7.837	0.030	95.75	2.95	0.15	0.45	0.14					
0.56	0.00	3.510	2.600	3.680															
2003	233	23	9	272.589	-616.522	D	7.950	7.837	0.113	95.92	2.95	0.13	0.39	0.12					
0.49	0.00	3.510	2.600	3.680															
2003	234	23	3	271.855	-617.469	D	7.956	7.837	0.119	97.28	1.50	0.14	0.42	0.13					
0.53	0.00	3.510	2.600	3.680															
2003	235	23	1	270.326	-617.519	D	7.853	7.837	0.016	96.17	2.78	0.12	0.36	0.11					
0.45	0.00	3.510	2.600	3.680															
2003	236	23	1	270.326	-617.519	D	7.838	7.837	0.001	97.80	1.35	0.08	0.32	0.10					
0.41	0.00	3.510	2.600	3.680															
2003	237	23	18	260.302	-615.069	D	8.080	7.837	0.243	78.45	19.94	0.19	0.56	0.17					

0.70	0.00	3.510	2.600	3.680															
2003	238	23	67	271.705	-612.860	D	7.998	7.837	0.161	73.17	25.34	0.17	0.52	0.16					
0.65	0.00	3.510	2.600	3.680															
2003	239	23	35	273.293	-614.653	D	7.838	7.837	0.000	80.97	17.48	0.18	0.52	0.16					
0.65	0.00	3.510	2.600	3.680															
2003	240	23	3	271.855	-617.469	D	7.843	7.837	0.006	82.87	14.65	0.29	0.86	0.26					
1.08	0.00	3.510	2.600	3.680															
2003	241	23	3	271.855	-617.469	D	8.442	7.837	0.605	63.13	34.89	0.23	0.67	0.20					
0.84	0.04	3.510	2.600	3.680															
2003	242	23	18	260.302	-615.069	D	7.844	7.837	0.007	44.17	49.14	0.49	1.44	0.43					
1.80	2.53	3.510	2.600	3.680															
2003	243	23	79	261.714	-611.334	D	7.899	7.837	0.062	62.22	32.09	0.42	1.25	0.38					
1.57	2.07	3.510	2.600	3.680															
2003	244	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	245	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	246	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	247	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	248	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	249	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	250	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	251	23	18	260.302	-615.069	D	7.915	7.915	0.000	74.40	23.48	0.16	0.68	0.20					
0.85	0.00	3.730	2.710	3.820															
2003	252	23	35	273.293	-614.653	D	8.182	7.915	0.267	77.37	20.11	0.29	0.86	0.26					
1.08	0.03	3.730	2.710	3.820															
2003	253	23	35	273.293	-614.653	D	7.949	7.915	0.034	90.63	5.89	0.40	1.19	0.36					
1.49	0.02	3.730	2.710	3.820															
2003	254	23	3	271.855	-617.469	D	7.929	7.915	0.014	72.23	22.46	0.12	0.34	0.10					
0.42	4.34	3.730	2.710	3.820															
2003	255	23	35	273.293	-614.653	D	7.915	7.915	0.000	29.34	49.22	0.00	0.32	0.10					
0.41	21.54	3.730	2.710	3.820															
2003	256	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	257	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	258	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	259	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	260	23	1	270.326	-617.519	D	7.919	7.915	0.004	94.60	3.41	0.24	0.69	0.21					
0.86	0.00	3.730	2.710	3.820															
2003	261	23	3	271.855	-617.469	D	7.916	7.915	0.001	90.13	8.18	0.21	0.59	0.18					
0.74	0.00	3.730	2.710	3.820															
2003	262	23	1	270.326	-617.519	D	7.916	7.915	0.001	89.29	9.45	0.14	0.45	0.14					
0.57	0.00	3.730	2.710	3.820															
2003	263	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	264	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.730	2.710	3.820															
2003	265	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00					

0.00	0.00	3.730	2.710	3.820										
2003	266	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2003	267	23	18	260.302	-615.069	D	7.917	7.915	0.002	73.42	24.76	0.21	0.64	0.19
0.80	0.00	3.730	2.710	3.820										
2003	268	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2003	269	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2003	270	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2003	271	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2003	272	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2003	273	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820										
2003	274	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2003	275	23	1	270.326	-617.519	D	7.912	7.910	0.002	76.38	20.58	0.36	1.06	0.32
1.32	0.00	3.720	2.690	3.760										
2003	276	23	3	271.855	-617.469	D	7.921	7.910	0.010	74.42	22.66	0.34	1.01	0.31
1.27	0.00	3.720	2.690	3.760										
2003	277	23	3	271.855	-617.469	D	7.910	7.910	0.000	76.97	21.05	0.00	0.34	0.10
0.43	0.00	3.720	2.690	3.760										
2003	278	23	35	273.293	-614.653	D	7.956	7.910	0.046	87.81	11.06	0.13	0.39	0.12
0.49	0.00	3.720	2.690	3.760										
2003	279	23	9	272.589	-616.522	D	8.566	7.910	0.656	88.57	10.39	0.12	0.36	0.11
0.45	0.00	3.720	2.690	3.760										
2003	280	23	18	260.302	-615.069	D	7.970	7.910	0.059	85.31	13.82	0.10	0.30	0.09
0.38	0.00	3.720	2.690	3.760										
2003	281	23	9	272.589	-616.522	D	8.075	7.910	0.164	65.59	31.89	0.26	0.77	0.23
0.96	0.31	3.720	2.690	3.760										
2003	282	23	35	273.293	-614.653	D	7.914	7.910	0.003	79.27	19.33	0.16	0.47	0.14
0.59	0.02	3.720	2.690	3.760										
2003	283	23	67	271.705	-612.860	D	7.920	7.910	0.009	78.74	19.95	0.15	0.45	0.14
0.56	0.01	3.720	2.690	3.760										
2003	284	23	1	270.326	-617.519	D	7.911	7.910	0.001	84.59	14.71	0.07	0.26	0.08
0.33	0.00	3.720	2.690	3.760										
2003	285	23	9	272.589	-616.522	D	7.941	7.910	0.031	87.12	10.25	0.30	0.89	0.27
1.11	0.06	3.720	2.690	3.760										
2003	286	23	35	273.293	-614.653	D	7.911	7.910	0.001	76.54	21.02	0.28	0.84	0.25
1.05	0.04	3.720	2.690	3.760										
2003	287	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2003	288	23	35	273.293	-614.653	D	7.918	7.910	0.008	94.73	2.38	0.34	1.00	0.30
1.25	0.00	3.720	2.690	3.760										
2003	289	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2003	290	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2003	291	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760										
2003	292	23	3	271.855	-617.469	D	7.910	7.910	0.000	79.90	18.07	0.00	0.56	0.17
0.71	0.00	3.720	2.690	3.760										
2003	293	23	3	271.855	-617.469	D	7.910	7.910	0.000	78.96	18.45	0.00	0.56	0.17

0.70	0.00	3.720	2.690	3.760															
2003	294	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760															
2003	295	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760															
2003	296	23	9	272.589	-616.522	D	7.995	7.910	0.085	90.79	6.25	0.35	1.02	0.31					
1.28	0.00	3.720	2.690	3.760															
2003	297	23	35	273.293	-614.653	D	7.910	7.910	0.000	96.70	1.85	0.18	0.57	0.17					
0.72	0.00	3.720	2.690	3.760															
2003	298	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760															
2003	299	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760															
2003	300	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760															
2003	301	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760															
2003	302	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.720	2.690	3.760															
2003	303	23	35	273.293	-614.653	D	7.958	7.910	0.048	79.92	16.67	0.38	1.12	0.34					
1.40	0.17	3.720	2.690	3.760															
2003	304	23	3	271.855	-617.469	D	8.303	7.910	0.393	74.68	21.88	0.39	1.15	0.35					
1.43	0.12	3.720	2.690	3.760															
2003	305	23	18	260.302	-615.069	D	8.086	7.897	0.189	67.66	28.17	0.42	1.25	0.38					
1.56	0.56	3.680	2.670	3.770															
2003	306	23	35	273.293	-614.653	D	8.074	7.897	0.177	78.08	18.18	0.39	1.15	0.35					
1.44	0.41	3.680	2.670	3.770															
2003	307	23	35	273.293	-614.653	D	7.948	7.897	0.051	67.20	29.12	0.43	1.27	0.38					
1.58	0.03	3.680	2.670	3.770															
2003	308	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2003	309	23	9	272.589	-616.522	D	7.897	7.897	0.000	77.53	20.64	0.25	0.56	0.17					
0.70	0.00	3.680	2.670	3.770															
2003	310	23	1	270.326	-617.519	D	7.897	7.897	0.000	89.27	9.58	0.00	0.16	0.05					
0.20	0.00	3.680	2.670	3.770															
2003	311	23	1	270.326	-617.519	D	7.897	7.897	0.000	93.75	13.28	0.00	0.47	0.14					
0.59	0.00	3.680	2.670	3.770															
2003	312	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2003	313	23	3	271.855	-617.469	D	7.951	7.897	0.054	56.75	40.87	0.28	0.82	0.25					
1.03	0.01	3.680	2.670	3.770															
2003	314	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2003	315	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2003	316	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2003	317	23	18	260.302	-615.069	D	7.917	7.897	0.020	70.24	24.90	0.56	1.66	0.50					
2.08	0.06	3.680	2.670	3.770															
2003	318	23	78	269.383	-612.012	D	7.917	7.897	0.020	69.99	25.17	0.56	1.65	0.50					
2.07	0.07	3.680	2.670	3.770															
2003	319	23	35	273.293	-614.653	D	7.898	7.897	0.001	69.64	28.91	0.16	0.45	0.14					
0.57	0.12	3.680	2.670	3.770															
2003	320	23	35	273.293	-614.653	D	7.915	7.897	0.018	63.06	33.10	0.24	0.70	0.21					
0.88	1.81	3.680	2.670	3.770															
2003	321	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.680	2.670	3.770													
2003	322	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770													
2003	323	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770													
2003	324	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770													
2003	325	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770													
2003	326	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770													
2003	327	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770													
2003	328	23	3	271.855	-617.469	D	8.142	7.897	0.245	46.08	50.91	0.33	0.97	0.29			
1.21	0.21	3.680	2.670	3.770													
2003	329	23	35	273.293	-614.653	D	7.899	7.897	0.002	55.43	42.53	0.23	0.68	0.21			
0.85	0.08	3.680	2.670	3.770													
2003	330	23	35	273.293	-614.653	D	7.897	7.897	0.000	58.59	36.44	0.22	0.86	0.26			
1.08	2.81	3.680	2.670	3.770													
2003	331	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770													
2003	332	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770													
2003	333	23	9	272.589	-616.522	D	7.898	7.897	0.001	60.64	36.77	0.30	0.89	0.27			
1.11	0.04	3.680	2.670	3.770													
2003	334	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770													
2003	335	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930													
2003	336	23	35	273.293	-614.653	D	8.073	7.968	0.105	44.78	50.81	0.43	1.28	0.39			
1.60	0.72	3.880	2.790	3.930													
2003	337	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930													
2003	338	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930													
2003	339	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930													
2003	340	23	3	271.855	-617.469	D	8.199	7.968	0.231	61.67	35.74	0.29	0.85	0.26			
1.06	0.13	3.880	2.790	3.930													
2003	341	23	35	273.293	-614.653	D	7.996	7.968	0.028	64.41	33.56	0.23	0.70	0.21			
0.87	0.02	3.880	2.790	3.930													
2003	342	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930													
2003	343	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930													
2003	344	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930													
2003	345	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930													
2003	346	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930													
2003	347	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930													
2003	348	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930													
2003	349	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.880	2.790	3.930															
2003	350	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2003	351	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2003	352	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2003	353	23	1	270.326	-617.519	D	7.968	7.968	0.000	56.29	41.32	0.16	0.86	0.26					
1.08	0.08	3.880	2.790	3.930															
2003	354	23	3	271.855	-617.469	D	8.113	7.968	0.145	55.64	42.08	0.26	0.78	0.23					
0.97	0.04	3.880	2.790	3.930															
2003	355	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2003	356	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2003	357	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2003	358	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2003	359	23	13	267.973	-615.749	D	8.051	7.968	0.082	35.08	60.42	0.37	1.10	0.33					
1.38	1.32	3.880	2.790	3.930															
2003	360	23	35	273.293	-614.653	D	8.134	7.968	0.166	40.81	50.56	0.66	1.96	0.59					
2.45	2.98	3.880	2.790	3.930															
2003	361	23	35	273.293	-614.653	D	7.968	7.968	0.000	55.60	32.75	0.71	2.65	0.80					
3.32	4.54	3.880	2.790	3.930															
2003	362	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2003	363	23	18	260.302	-615.069	D	7.971	7.968	0.003	55.75	41.06	0.37	1.08	0.33					
1.35	0.08	3.880	2.790	3.930															

--- Ranked Daily Visibility Change ---

START TIME	% of Modeled Extinction by Species																		
Small Large SSalt																			
YEAR DAY HR RECEPTOR	COORDINATES (km)			TYPE	DV(Total)	DV(BKG)	DELTA	DV	%_SO4										
%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)											
2003	74	23	10	265.680	-615.823	D	8.515	7.701	0.814	73.42	23.82	0.31	0.93	0.28					
1.16	0.09	3.140	2.370	3.310	1														
2003	279	23	9	272.589	-616.522	D	8.566	7.910	0.656	88.57	10.39	0.12	0.36	0.11					
0.45	0.00	3.720	2.690	3.760	2														
2003	241	23	3	271.855	-617.469	D	8.442	7.837	0.605	63.13	34.89	0.23	0.67	0.20					
0.84	0.04	3.510	2.600	3.680	3														
2003	39	23	18	260.302	-615.069	D	8.265	7.809	0.456	70.17	27.59	0.12	0.36	0.11					
0.46	1.18	3.440	2.530	3.520	4														
2003	173	23	9	272.589	-616.522	D	8.365	7.910	0.455	94.36	3.16	0.29	0.85	0.26					
1.07	0.03	3.710	2.710	3.880	5														
2003	304	23	3	271.855	-617.469	D	8.303	7.910	0.393	74.68	21.88	0.39	1.15	0.35					
1.43	0.12	3.720	2.690	3.760	6														
2003	195	23	35	273.293	-614.653	D	8.222	7.830	0.391	76.53	19.48	0.38	1.13	0.34					
1.42	0.70	3.490	2.590	3.690	7														
2003	75	23	2	271.090	-617.494	D	8.087	7.701	0.386	75.69	21.50	0.33	0.96	0.29					
1.21	0.03	3.140	2.370	3.310	8														
2003	43	23	18	260.302	-615.069	D	8.157	7.809	0.348	57.68	37.94	0.32	0.94	0.28					
1.18	1.67	3.440	2.530	3.520	9														
2003	62	23	3	271.855	-617.469	D	7.988	7.701	0.287	76.64	20.88	0.27	0.79	0.24					
0.99	0.18	3.140	2.370	3.310	10														

2003	132	23	1	270.326	-617.519	D	8.176	7.892	0.285	83.84	13.31	0.33	0.97	0.29
	1.22	0.04	3.660	2.680	3.830									
2003	15	23	79	261.714	-611.334	D	8.237	7.957	0.279	61.74	36.47	0.20	0.59	0.18
	0.74	0.07	3.850	2.770	3.900									
2003	76	23	18	260.302	-615.069	D	7.975	7.701	0.274	58.56	36.63	0.42	1.23	0.37
	1.54	1.26	3.140	2.370	3.310									
2003	174	23	35	273.293	-614.653	D	8.180	7.910	0.270	93.61	3.33	0.35	1.03	0.31
	1.28	0.09	3.710	2.710	3.880									
2003	252	23	35	273.293	-614.653	D	8.182	7.915	0.267	77.37	20.11	0.29	0.86	0.26
	1.08	0.03	3.730	2.710	3.820									
2003	65	23	1	270.326	-617.519	D	7.947	7.701	0.246	85.03	12.32	0.28	0.83	0.25
	1.04	0.25	3.140	2.370	3.310									
2003	328	23	3	271.855	-617.469	D	8.142	7.897	0.245	46.08	50.91	0.33	0.97	0.29
	1.21	0.21	3.680	2.670	3.770									
2003	237	23	18	260.302	-615.069	D	8.080	7.837	0.243	78.45	19.94	0.19	0.56	0.17
	0.70	0.00	3.510	2.600	3.680									
2003	340	23	3	271.855	-617.469	D	8.199	7.968	0.231	61.67	35.74	0.29	0.85	0.26
	1.06	0.13	3.880	2.790	3.930									
2003	184	23	1	270.326	-617.519	D	8.060	7.830	0.229	95.30	3.67	0.12	0.36	0.11
	0.44	0.00	3.490	2.590	3.690									
2003	53	23	35	273.293	-614.653	D	8.009	7.809	0.200	58.72	37.85	0.33	0.99	0.30
	1.24	0.57	3.440	2.530	3.520									
2003	305	23	18	260.302	-615.069	D	8.086	7.897	0.189	67.66	28.17	0.42	1.25	0.38
	1.56	0.56	3.680	2.670	3.770									

--- Number of days with Delta-Deciview => 0.50: 3  
 --- Number of days with Delta-Deciview => 1.00: 0  
 --- Largest Delta-Deciview = 0.814

\*\*\*\*\*  
 \*\*\*\*\*  
 CALPOST Version 6.221 Level 080724  
 \*\*\*\*\*  
 \*\*\*\*\*

### Run-Length VISIBILITY

#### VISIB BOESNCFG

(deciview)

RECEPTOR	COORDINATES (km)		TYPE	DV(Total)	DV(BKG)	DELTA DV
----------	------------------	--	------	-----------	---------	----------

1	270.326	-617.519	D	7.897	7.864	0.033
---	---------	----------	---	-------	-------	-------

--- Number of recs with Delta-Deciview > 0.10: 0  
 --- Largest Delta-Deciview = 0.033